



Espacenet

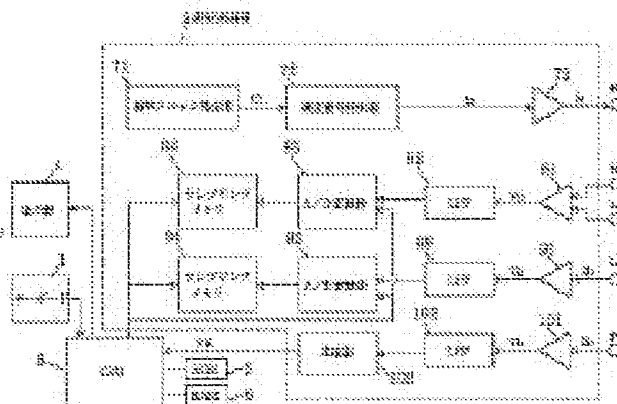
Bibliographic data: JP 8191808 (A)

LIVING BODY ELECTRIC IMPEDANCE-MEASURING APPARATUS

Publication date: 1996-07-30
Inventor(s): KUBOTA YASUYUKI; KURIWAKI MASASHI; ISHII TETSUYA +
Applicant(s): SEKISUI CHEMICAL CO LTD +
Classification: - international: **A61B5/05**; (IPC1-7): A61B5/05
- European:
Application number: JP19950003960 19950113
Priority number(s): JP19950003960 19950113

Abstract of JP 8191808 (A)

PURPOSE: To more accurately measure the electric impedance of a living body in consideration of a blood flow rate. **CONSTITUTION:** A measuring signal generator 72 forms a measuring signal (current) i_a changing in frequency within a range of 1-1MHz at every cycle (t) of a clock CL to send the same to the electrode Hc attached to the hand. When the measuring signal i_a is supplied to a living body, the voltages V_p , V_c detected by a differential amplifier 81 and an I/V converter 91 are stored in sampling memories 84, 94 through the electrodes H_p, L_p, L_c attached to the hand or a leg. Further, a comparator 103 detects the peak value of the pulse waves of a human body detected by a pulse wave sensor P to supply a trigger TR to a CPU 3. Whereupon, the CPU 3 performs the sampling continued from the start of measurement only for a time T_s to stop and reads the voltages V_p , V_c stored in the memories 84, 94 during the period going back by a predetermined time T_a from the start of measurement to calculate the electric impedance of a subject to display the calculated result on a display part 4.



Last updated: 26.04 2011
Worldwide Database 5.7.23.1; 93p